

CLAIMS

1. A kit for diagnosing pulp exposure, said kit comprising
a probe syringe used for a pulp exposure probe and a current
5 detector device for obtaining a circuit resistance value
or a circuit impedance value from current flowing an electric
closed circuit including said probe syringe,

wherein said probe syringe further comprises a
discharge part formed with a flexible hollow material, a
10 cylinder part continuous to said discharge part and
retaining ion conductive paste, a piston inserted to said
cylinder part, and an electric conductive member connecting
inner and outer areas of said probe syringe, and

wherein said current detector device obtains said
15 circuit resistance value or impedance value flowing said
closed circuit through said ion conductive paste.

2. The kit of claim 1, wherein said discharge part is made
from hollow silicone rubber, and said electric conductive
20 member is disposed across said discharge part.

3. The kit of claim 1, wherein said ion conductive paste
comprises an ion conductive material selected from the group
consisted of propylene glycol, polyvinylalcohol,
25 hydroxy-ethyl-cellulose, gelatin, polyacrylacid,
carboxy-methyl-cellulose, sodium poly-acrylacid, sodium
carboxy-methyl-cellulose.

4. A probe syringe used for diagnosing pulp exposure, said
30 probe syringe comprising,

a discharge part formed by a flexible hollow material,
a cylinder part continuous to said discharge part and
retaining ion conductive paste,

a piston inserted to said cylinder, and

an electric conductive member connecting inner and outer area of said probe syringe, wherein said electric conductive member allows to flow current through said ion conductive paste to form an electric conductive circuit including said ion conductive paste used as a probe for diagnosing pulp exposure.

5. The probe syringe of claim 4, wherein said discharge part is made from hollow silicone rubber, and said electric conductive member is disposed across said discharge part.

6. The probe syringe of claim 4, wherein said ion conductive paste comprises an ion conductive material selected from the group consisted of propylene glycol, polyvinylalcohol, hydroxy-ethyl-cellulose, gelatin, polyacrylacid, carboxy-methyl-cellulose, sodium poly-acrylacid, sodium carboxy-methyl-cellulose.

7. The probe syringe of claim 6, wherein said ion conductive paste has the viscosity from 0.1 Pa·s to 5Pa·s.